

# Section 0-7

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## Ordered Pairs

# Essential Question

- \* How do you name and graph points in the coordinate plane?

# Vocabulary

**Ordered Pair:**

**x-coordinate:**

**y-coordinate:**

**Quadrant:**

**Origin:**

# Vocabulary

**Ordered Pair:** Represents a point on the coordinate plane and is made up of an x-coordinate and y-coordinate  $(x, y)$

**x-coordinate:**

**y-coordinate:**

**Quadrant:**

**Origin:**



# Vocabulary

**Ordered Pair:** Represents a point on the coordinate plane and is made up of an x-coordinate and y-coordinate  $(x, y)$

**x-coordinate:** The value that corresponds to the horizontal part of an ordered pair

**y-coordinate:**

**Quadrant:**

**Origin:**

# Vocabulary

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**Quadrant:**

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# Vocabulary

**Ordered Pair:** Represents a point on the coordinate plane and is made up of an x-coordinate and y-coordinate  $(x, y)$

**x-coordinate:** The value that corresponds to the horizontal part of an ordered pair

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**Quadrant:** The four sections that are created on a coordinate plane by the x-axis and y-axis

**Origin:**



# Vocabulary

**Ordered Pair:** Represents a point on the coordinate plane and is made up of an x-coordinate and y-coordinate  $(x, y)$

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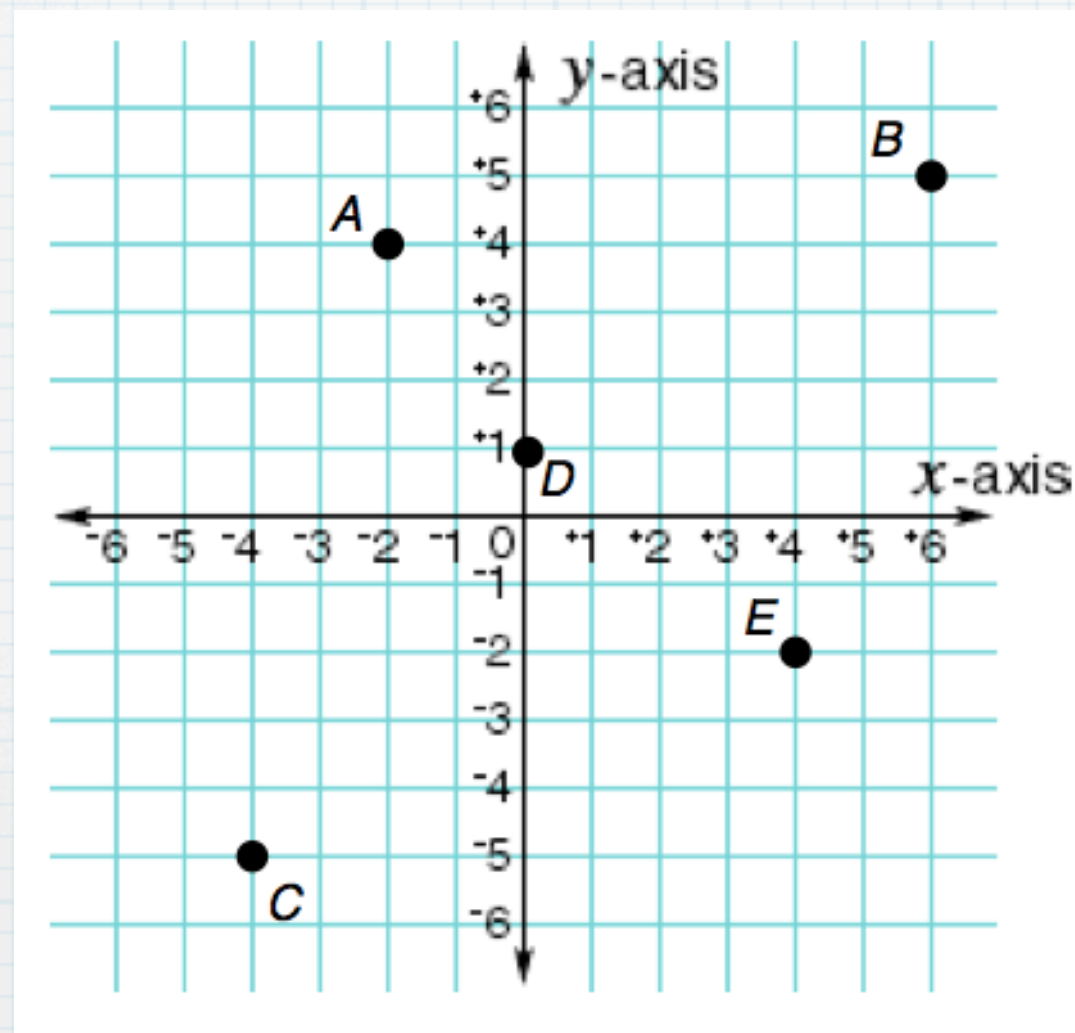
**Quadrant:** The four sections that are created on a coordinate plane by the x-axis and y-axis

**Origin:** The point where the x-axis intersects with the y-axis  $(0, 0)$



# Example 1

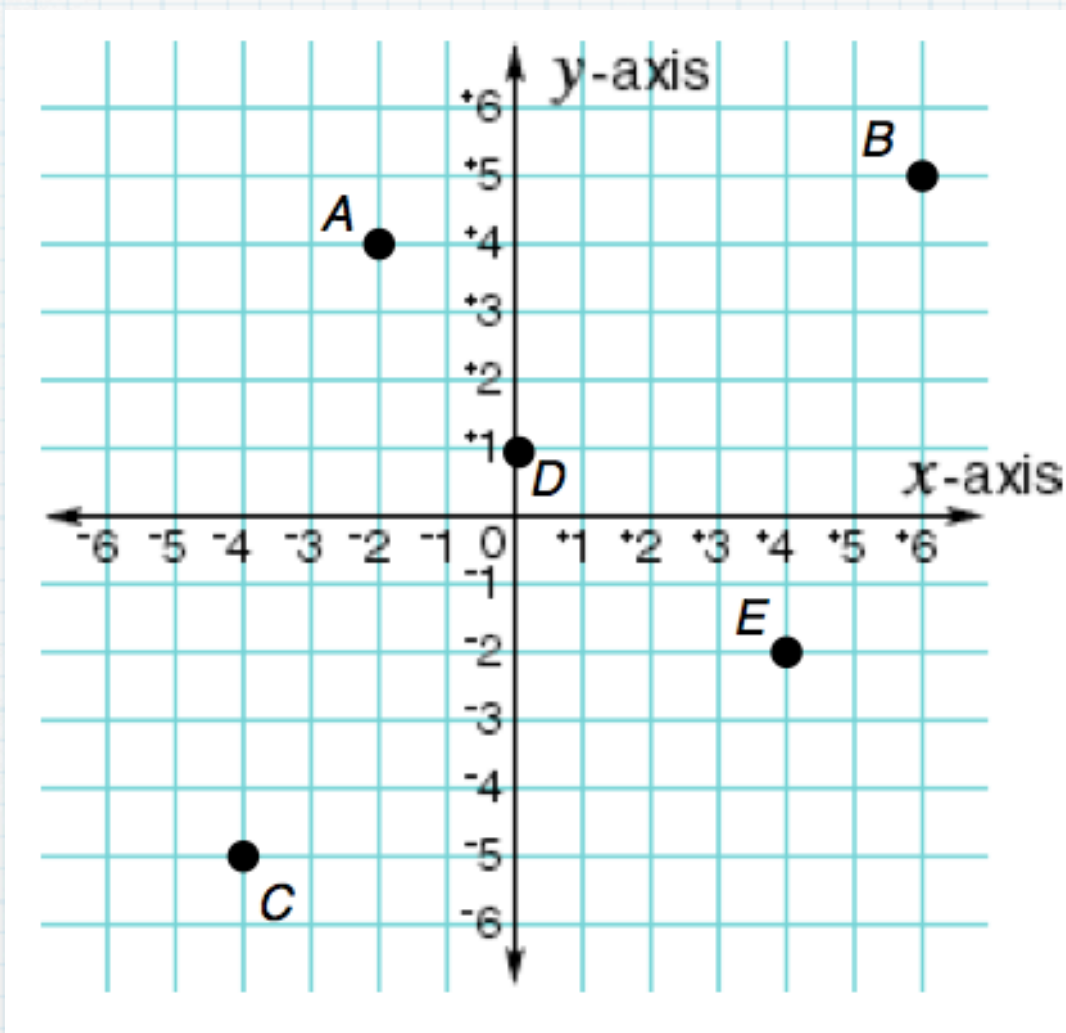
Write the ordered pair for each point.



# Example 1

Write the ordered pair for each point.

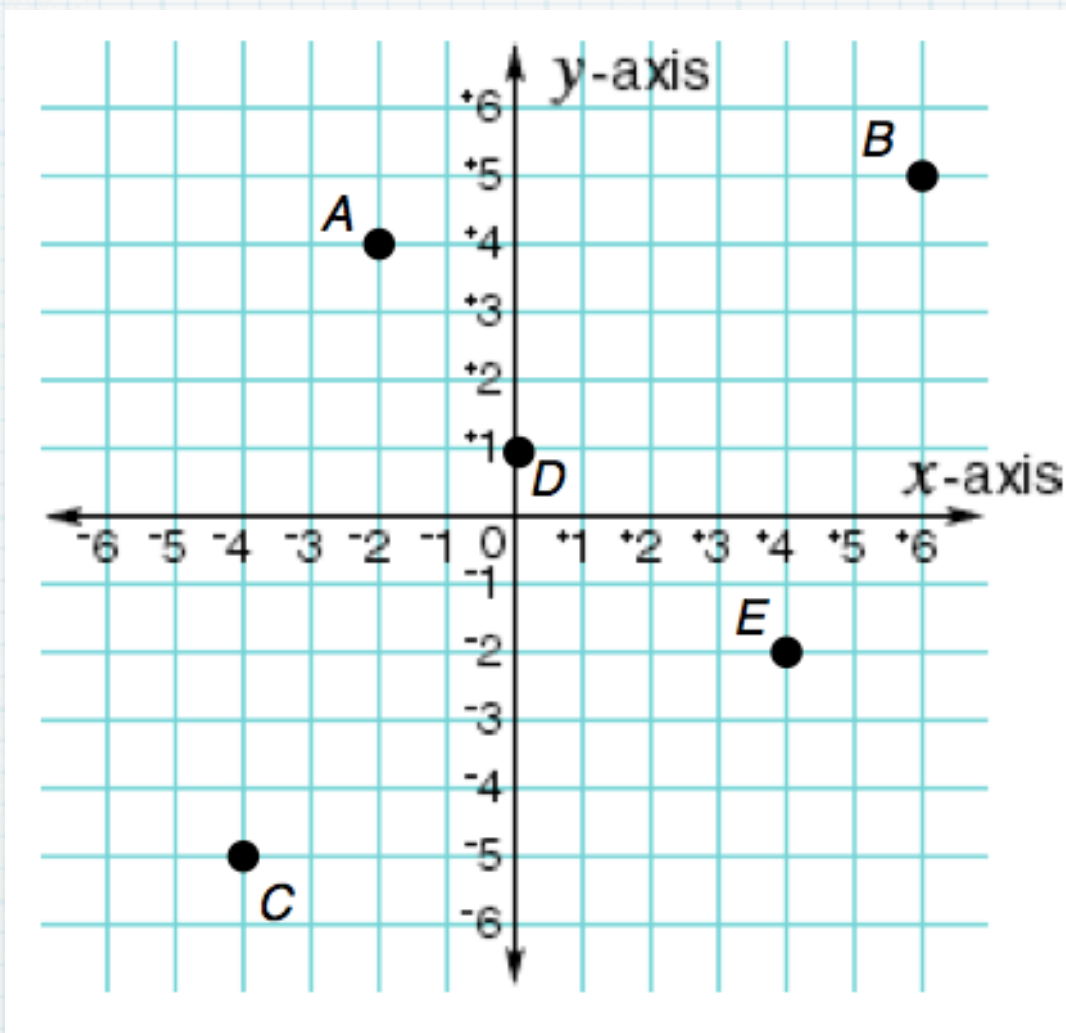
A (-2, 4)



# Example 1

Write the ordered pair for each point.

A (-2, 4)



B (6, 5)



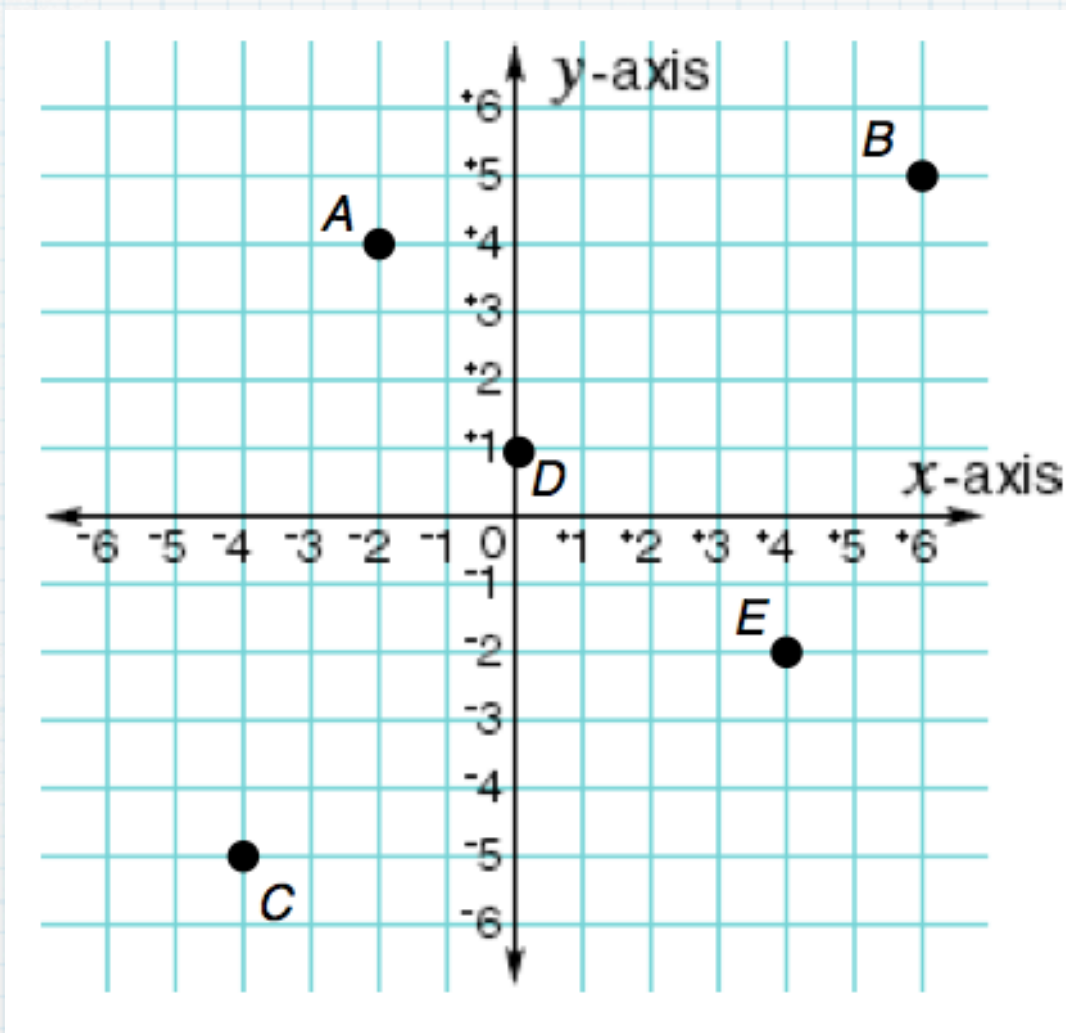
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Write the ordered pair for each point.

A (-2, 4)

B (6, 5)

C (-4, -5)



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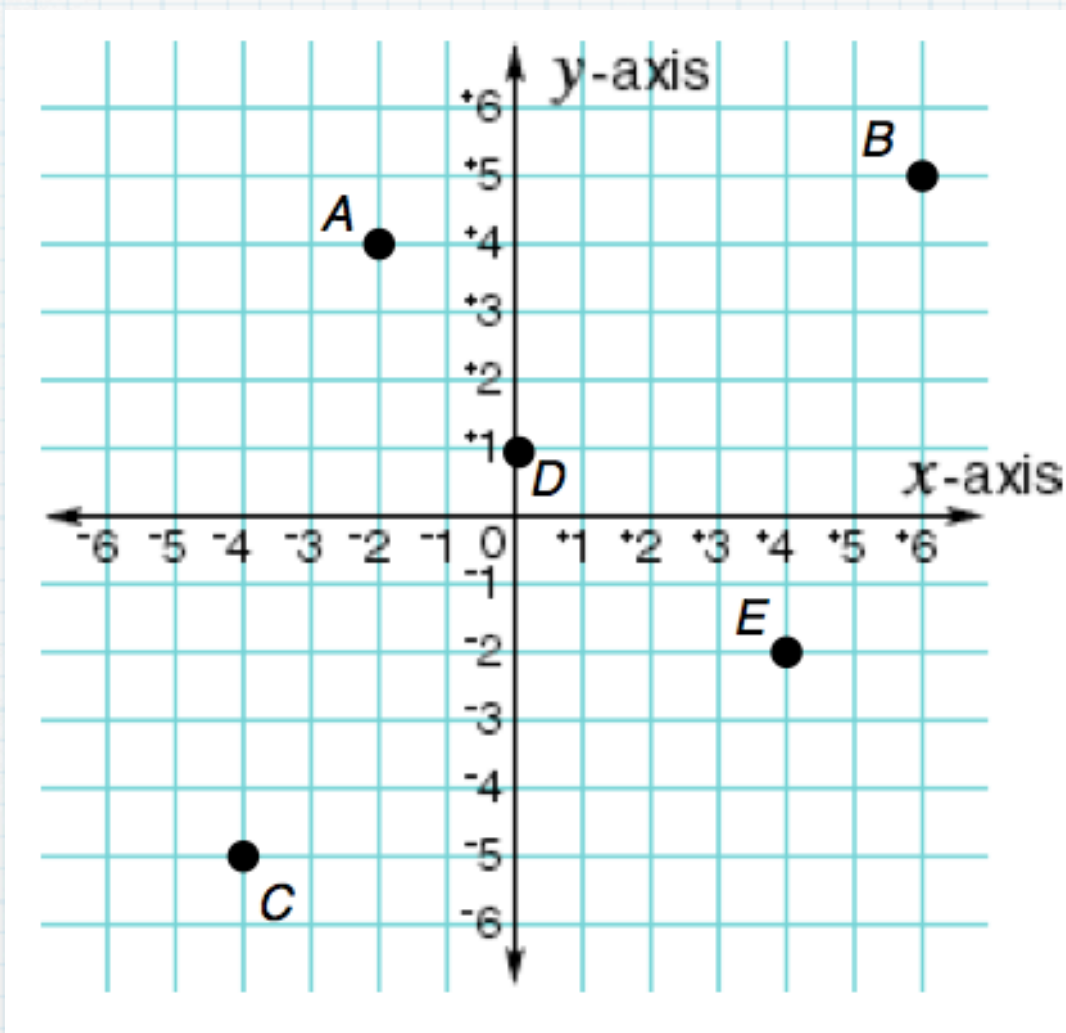
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D (0, 1)



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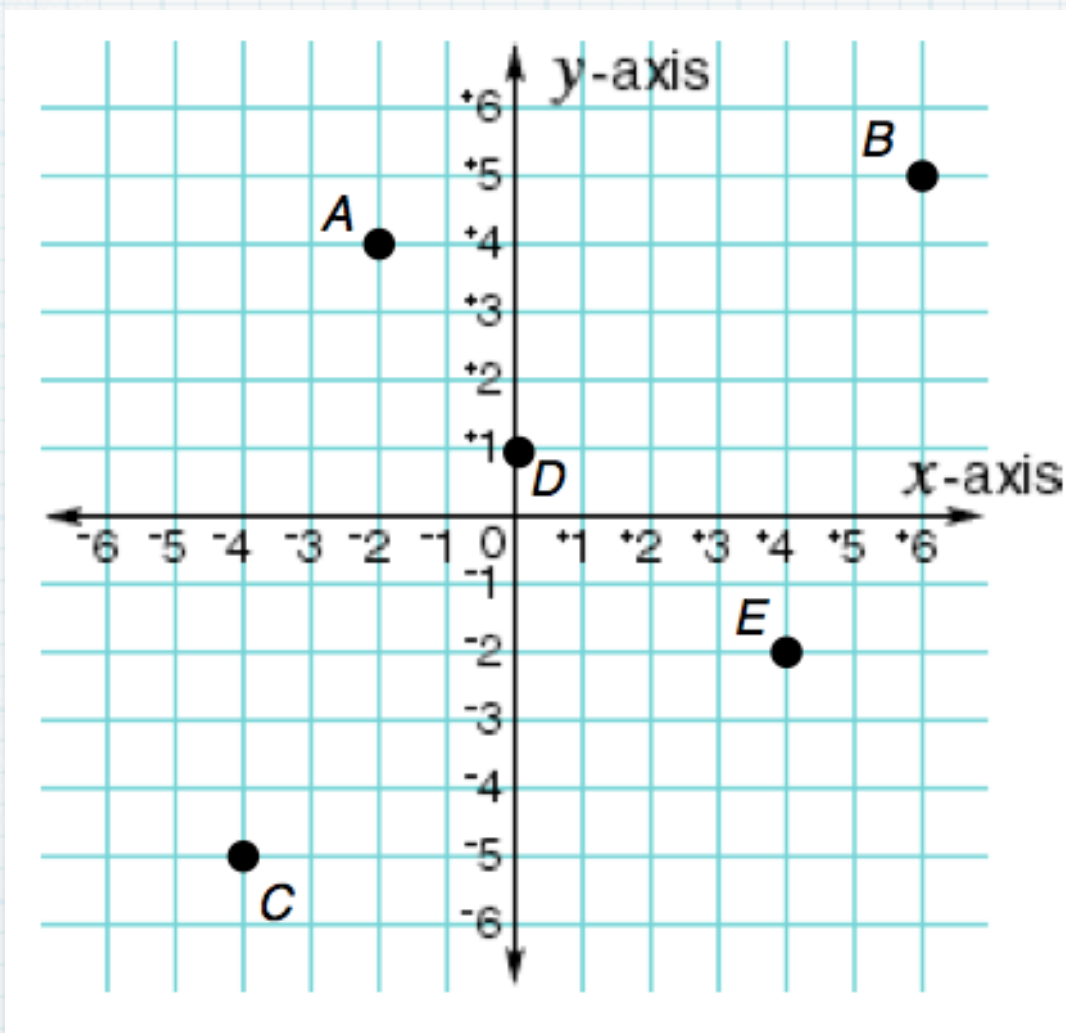
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E (4, -2)



D (0, 1)



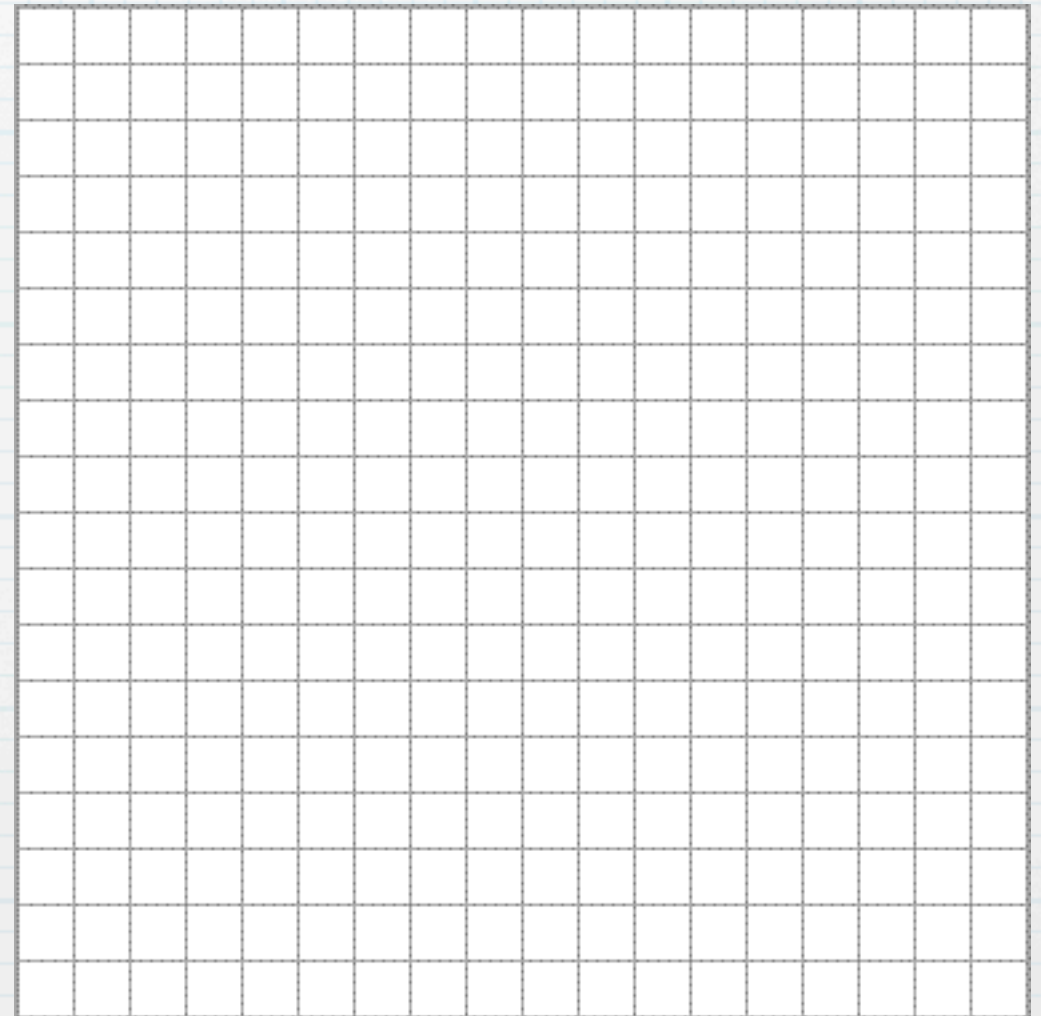
# Example 2

Graph and label each point on the coordinate plane.  
Name the quadrant in which each point is located.

a.  $H(1, 4)$

b.  $A(-5, 9)$

c.  $T(3, -2)$



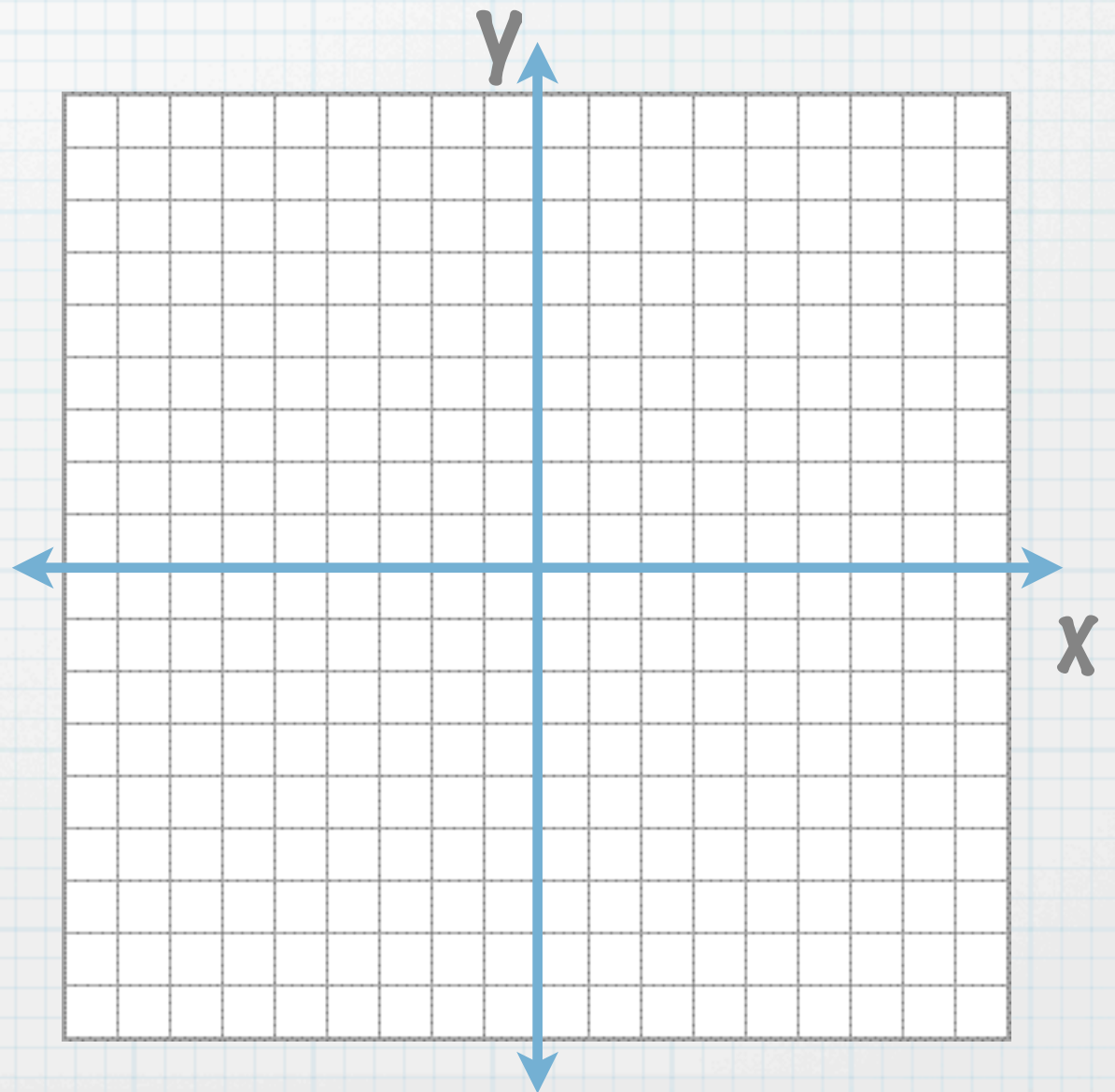
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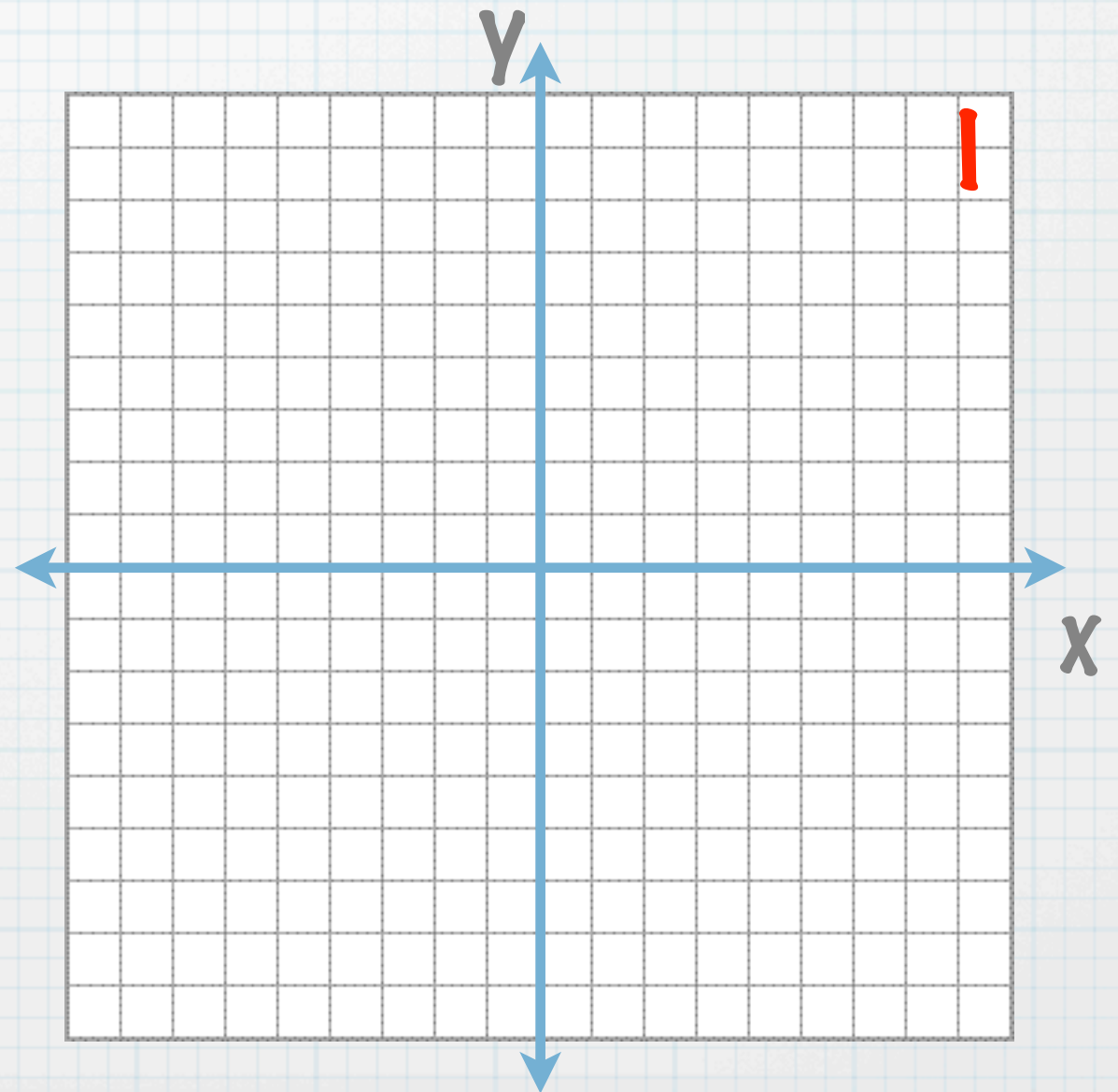
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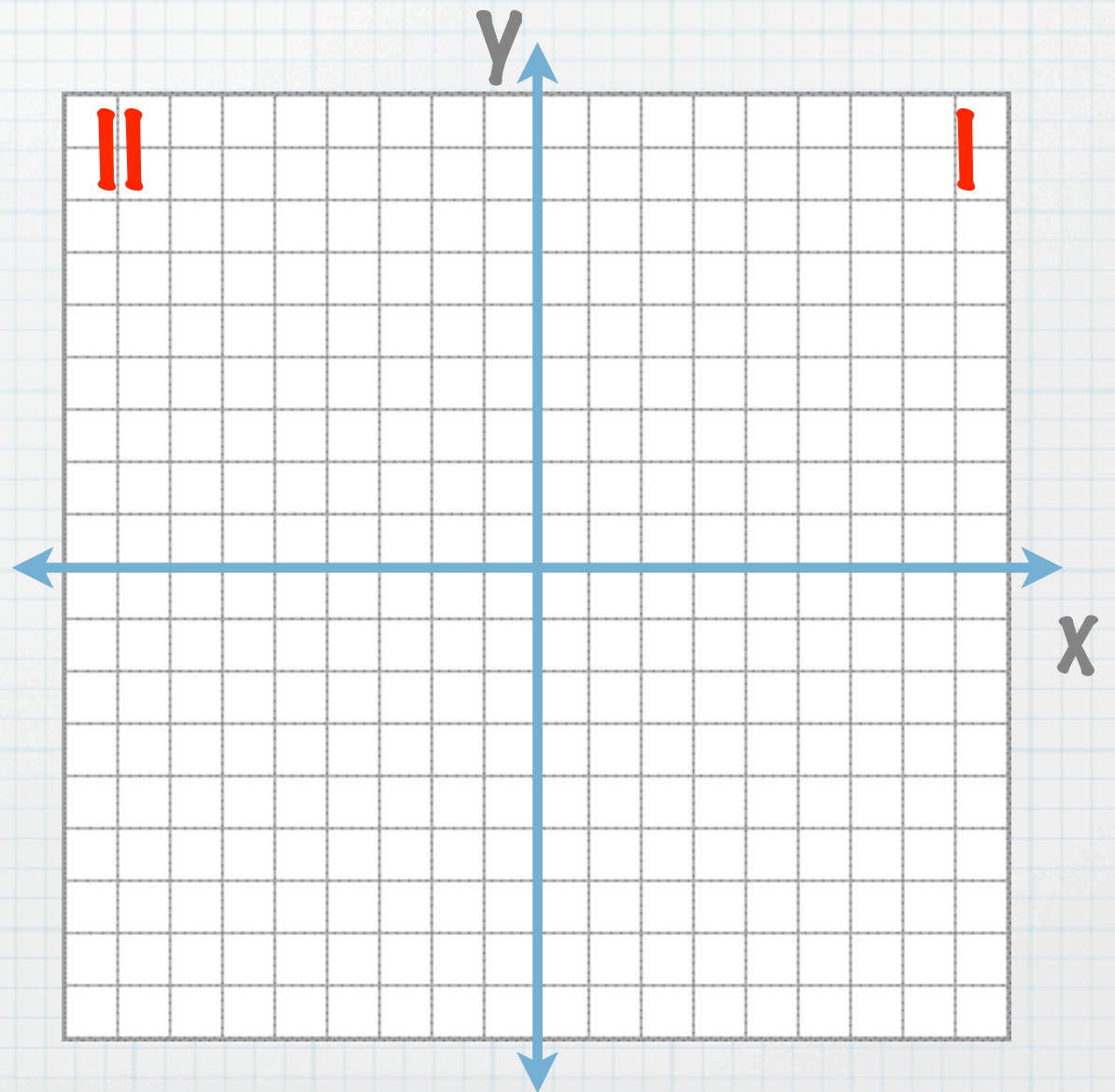
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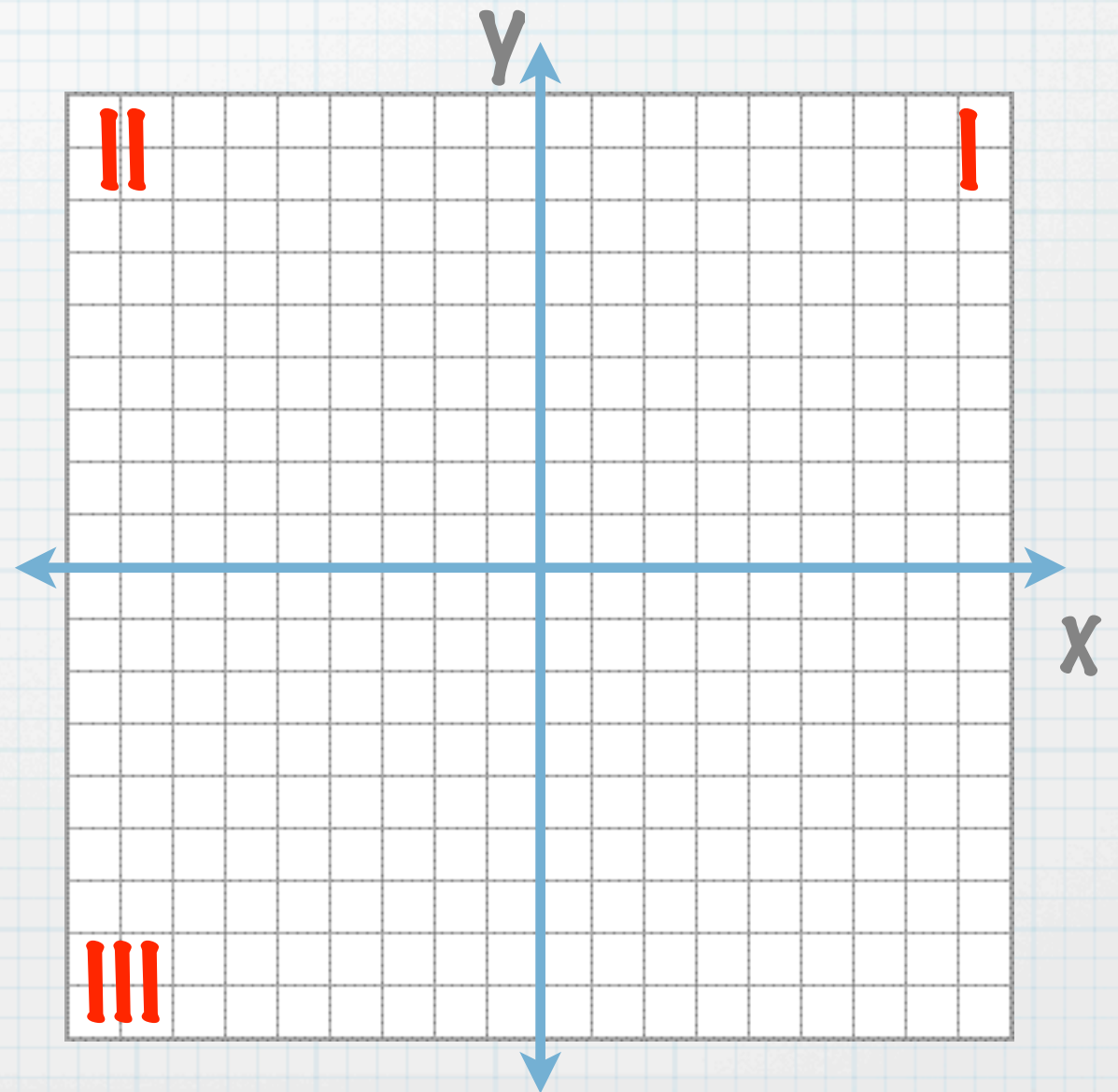
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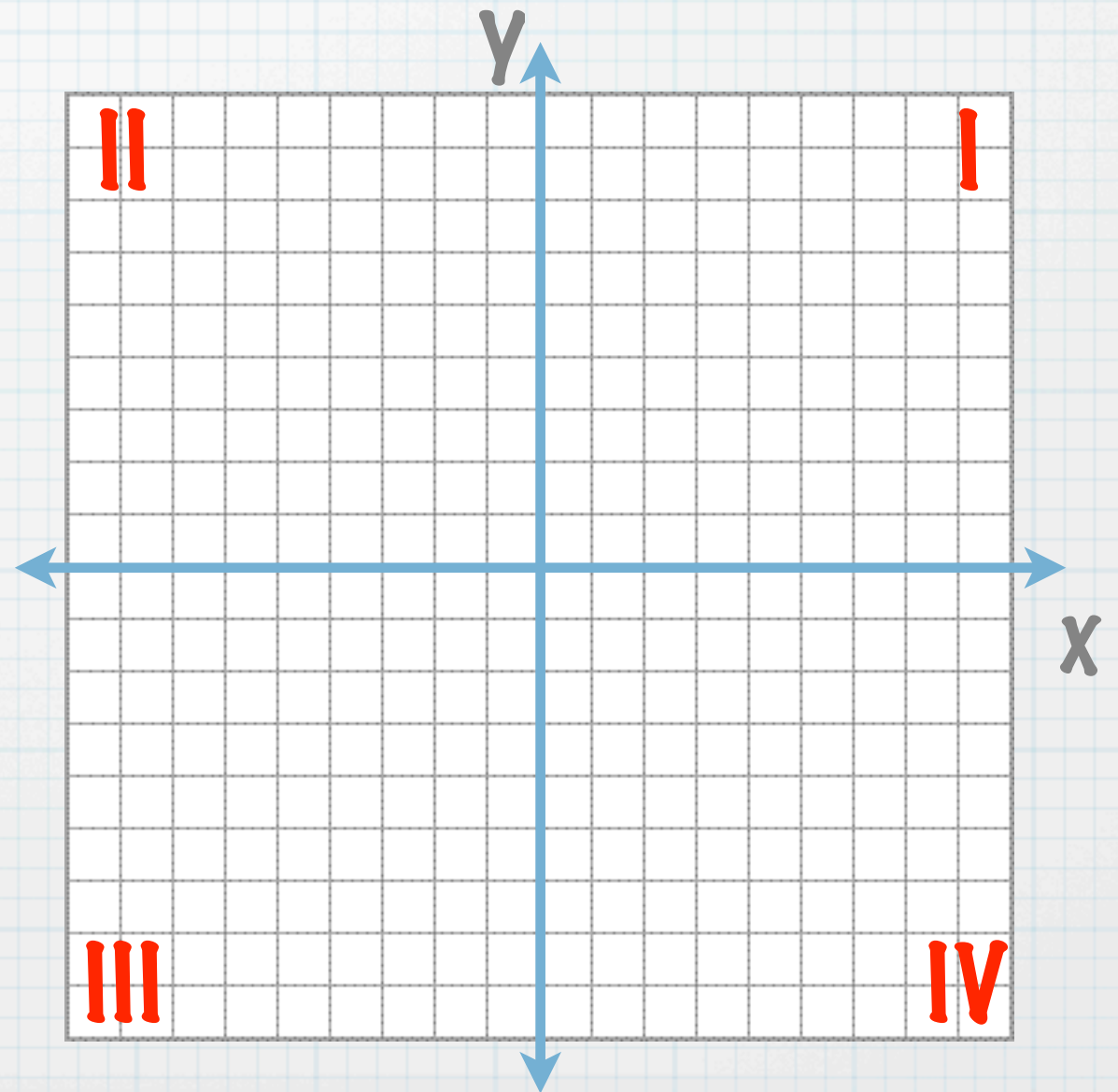
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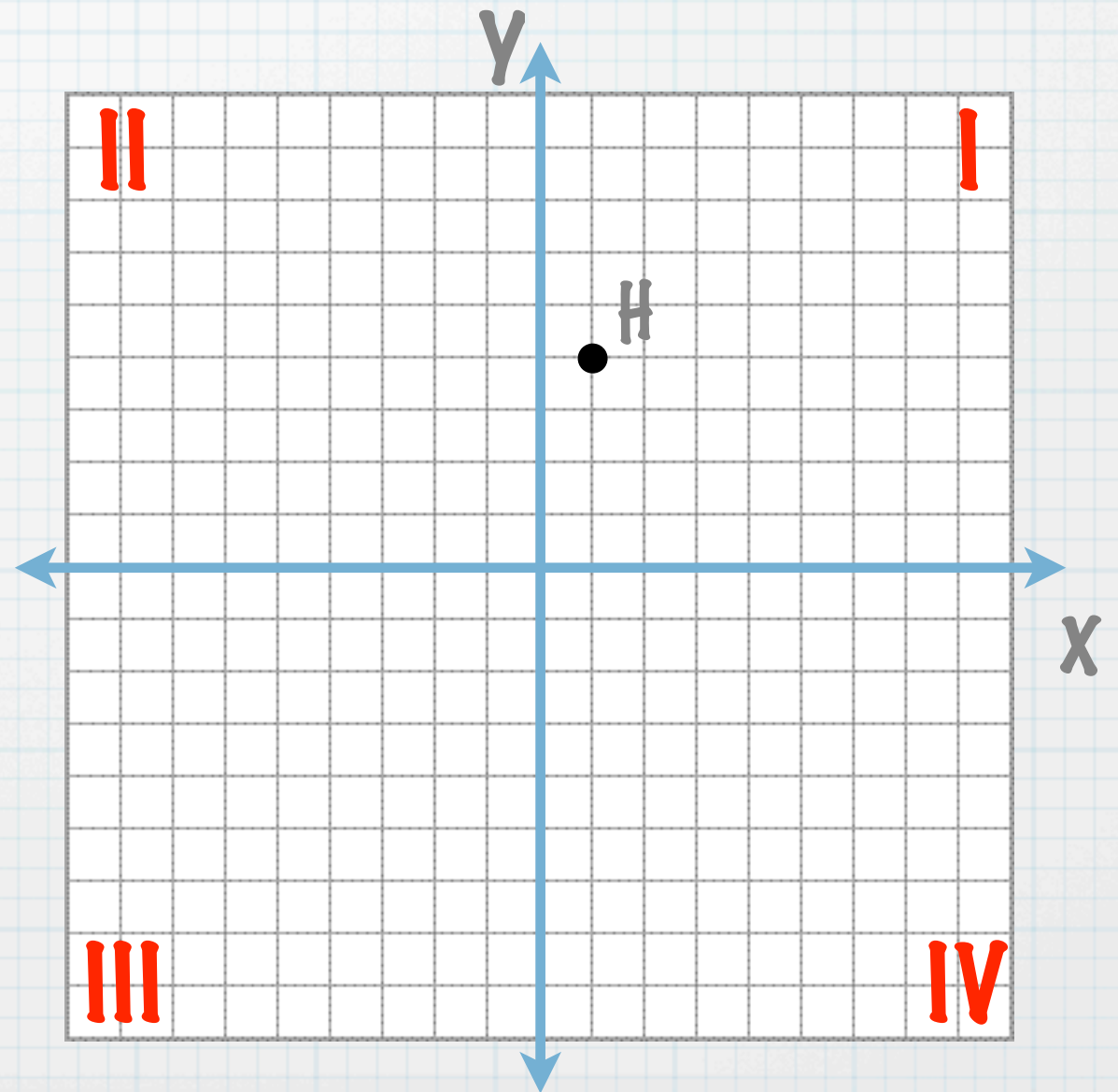
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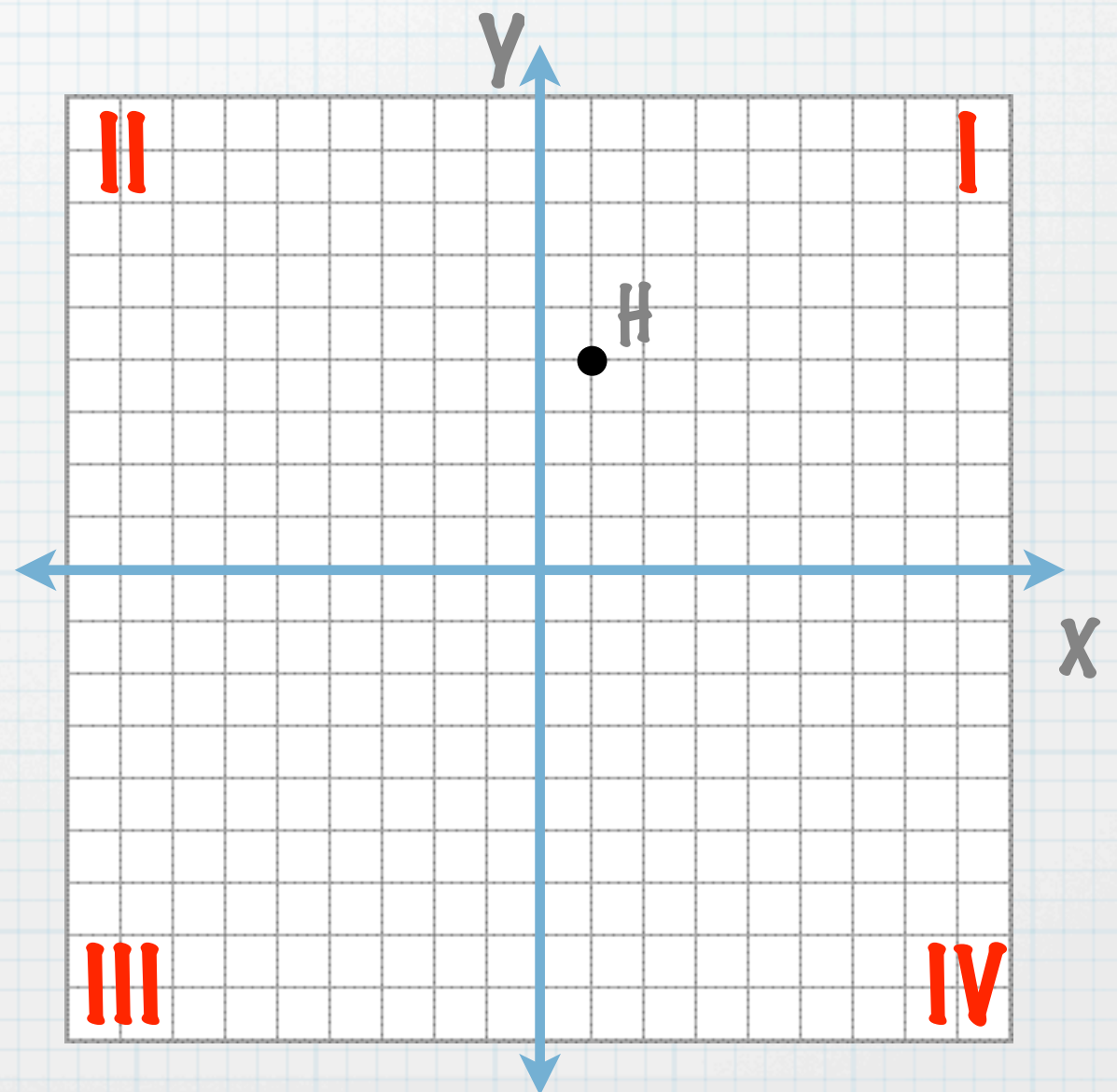
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a.  $H(1, 4)$

Quadrant I

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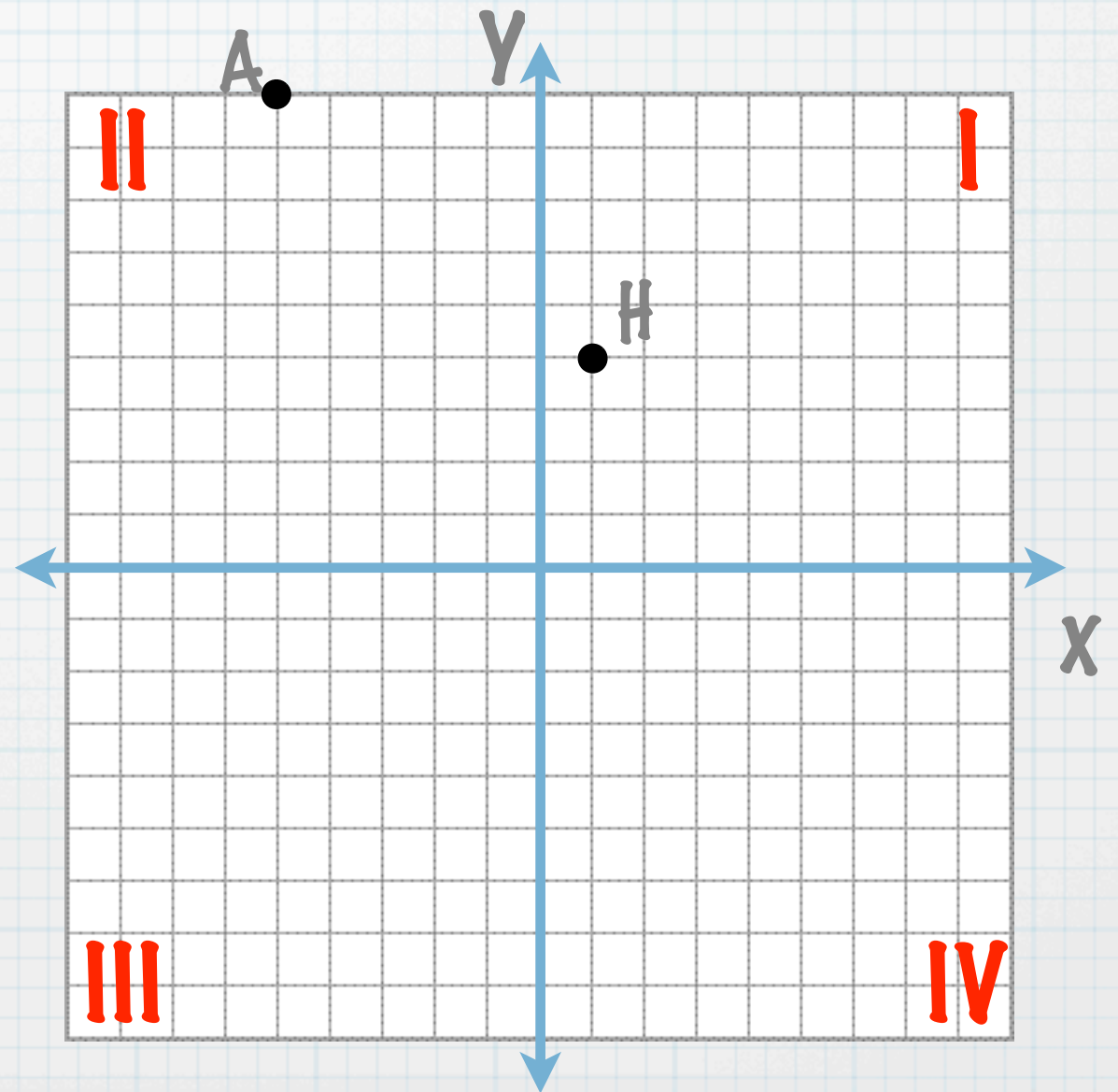
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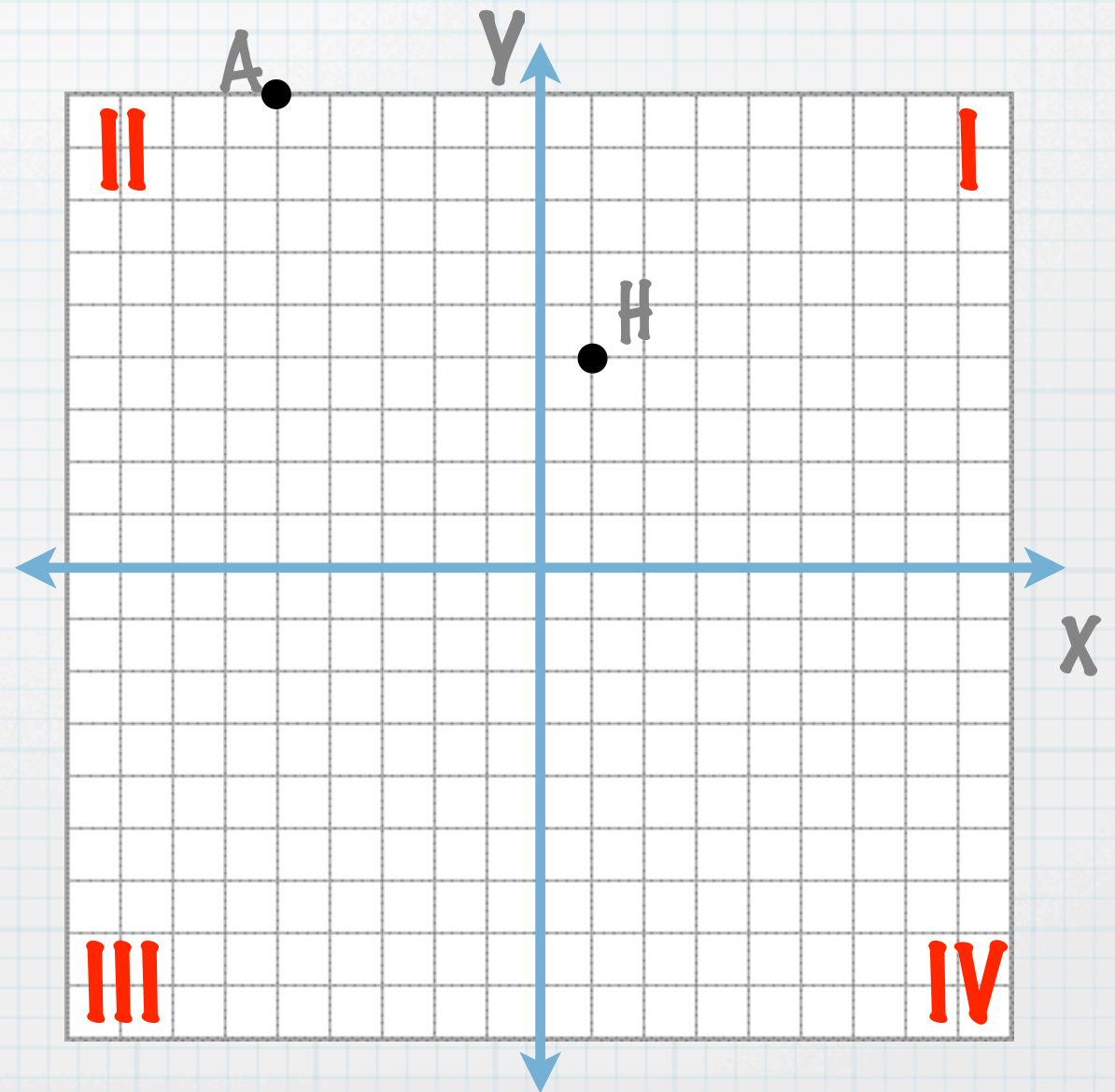
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Quadrant I

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Quadrant II

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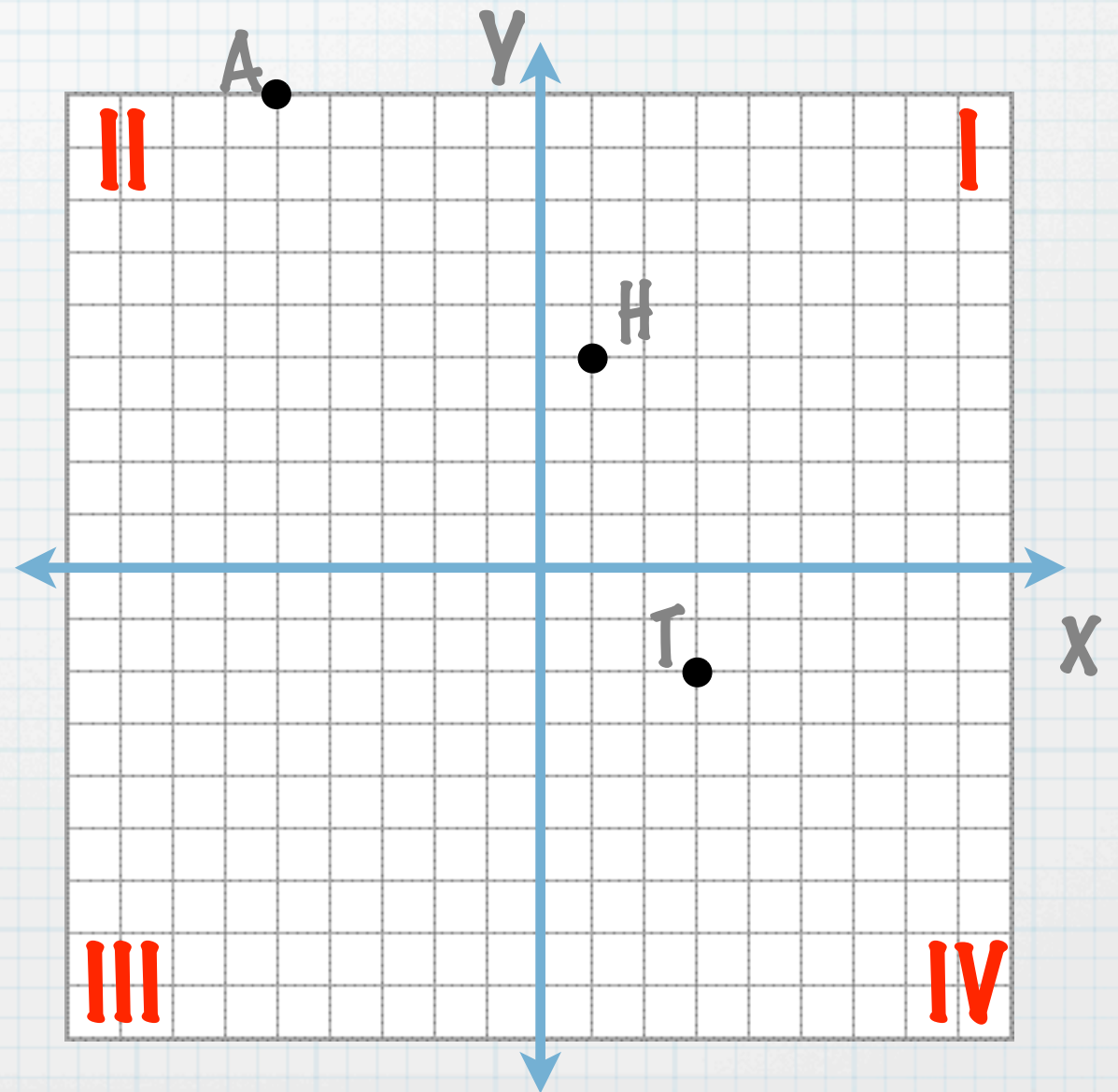
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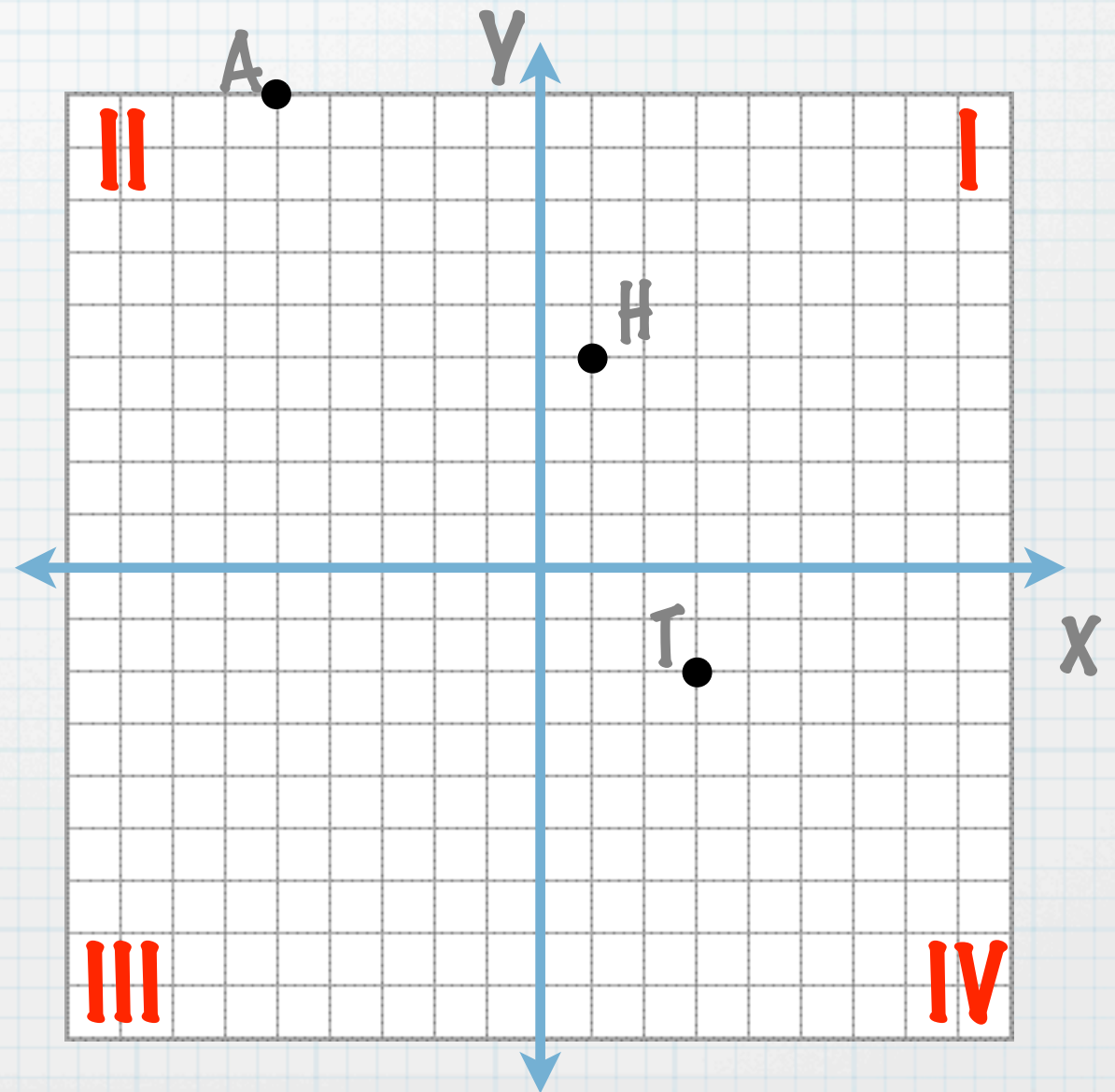
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b.  $A(-5, 9)$

Quadrant II

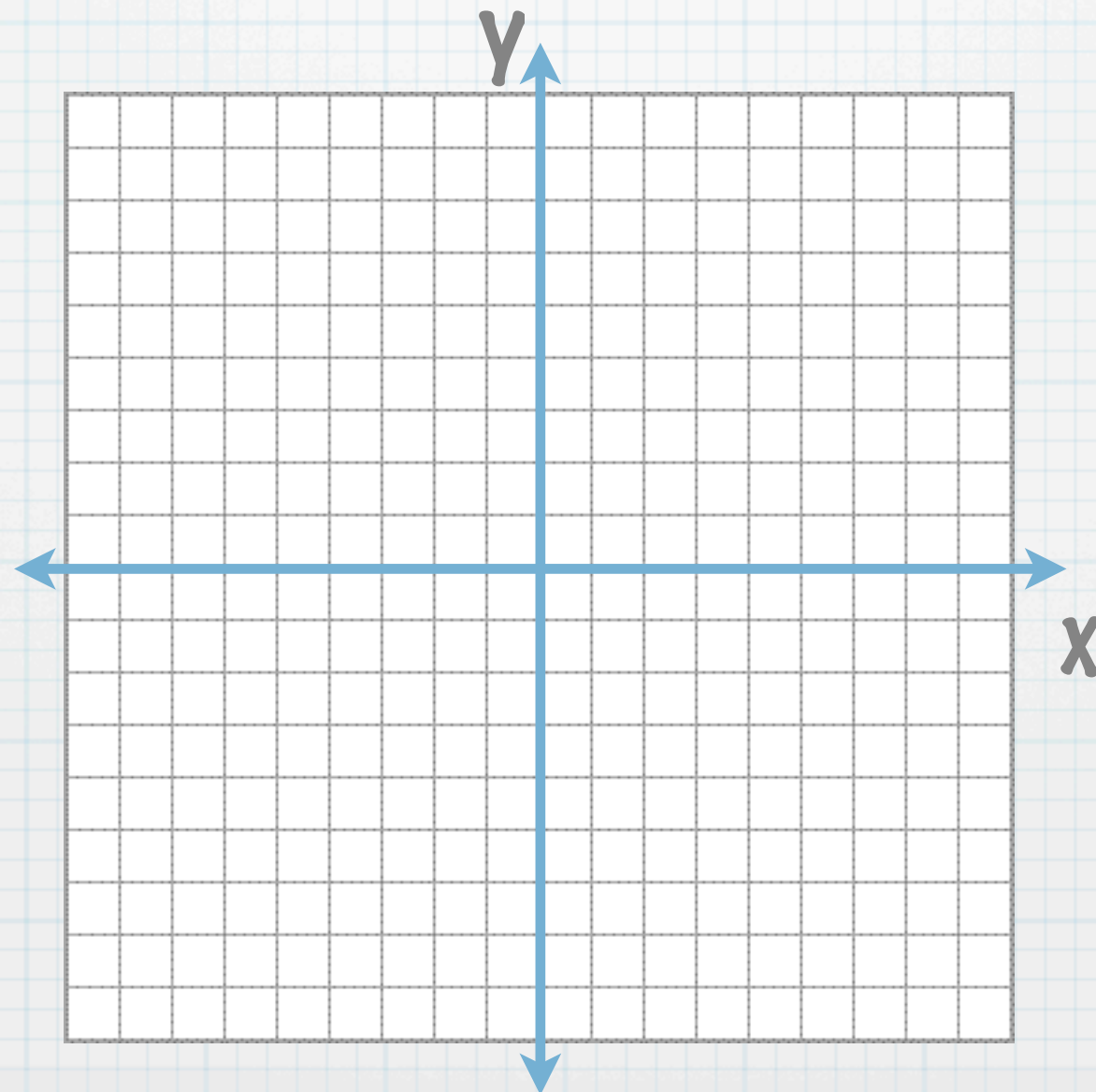
c.  $T(3, -2)$

Quadrant IV



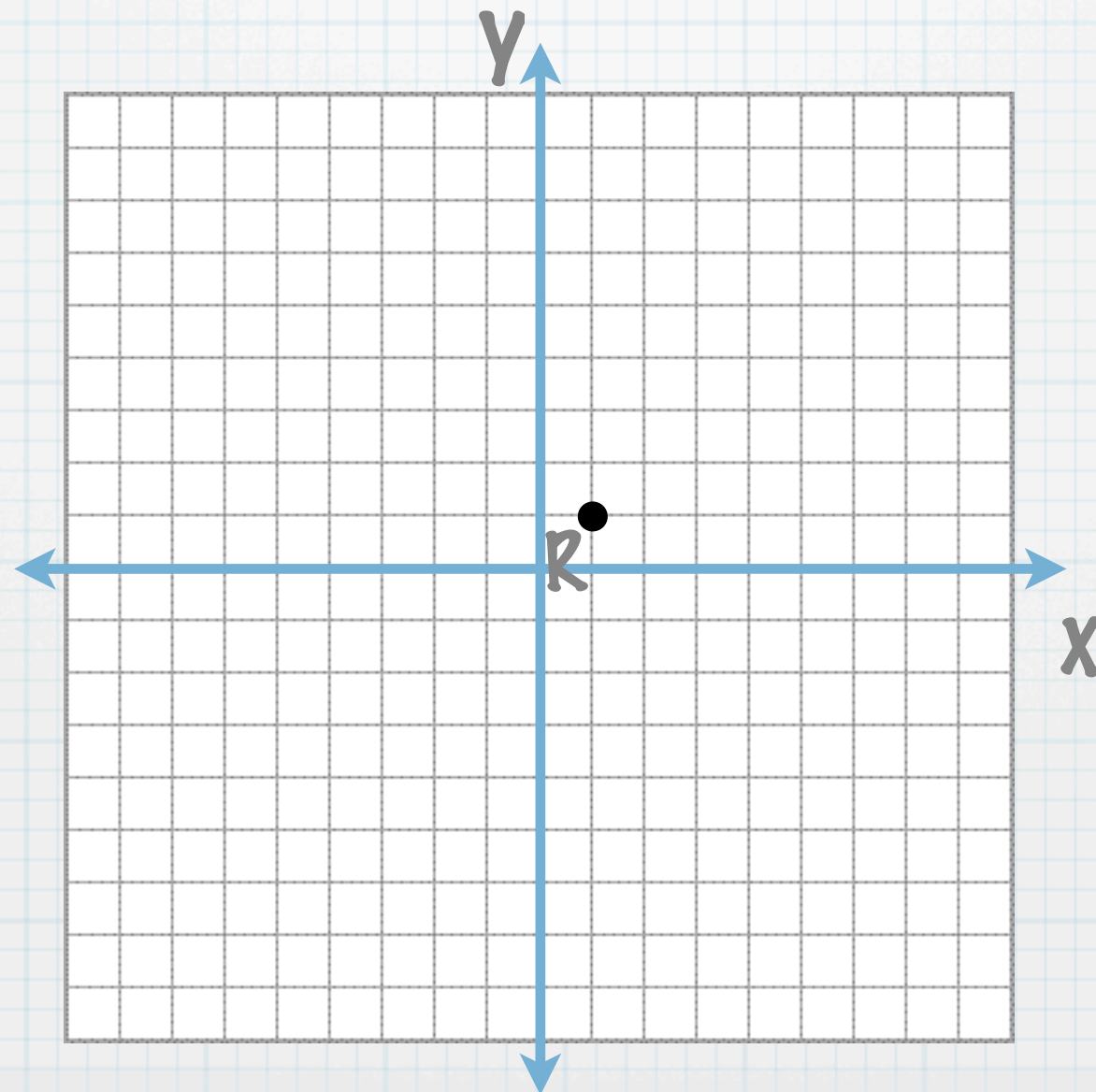
# Example 3

Graph a polygon with the following vertices:  $R(1, 1)$ ,  $A(3, 1)$ ,  $W(1, 4)$ , and  $K(-3, 4)$ .



# Example 3

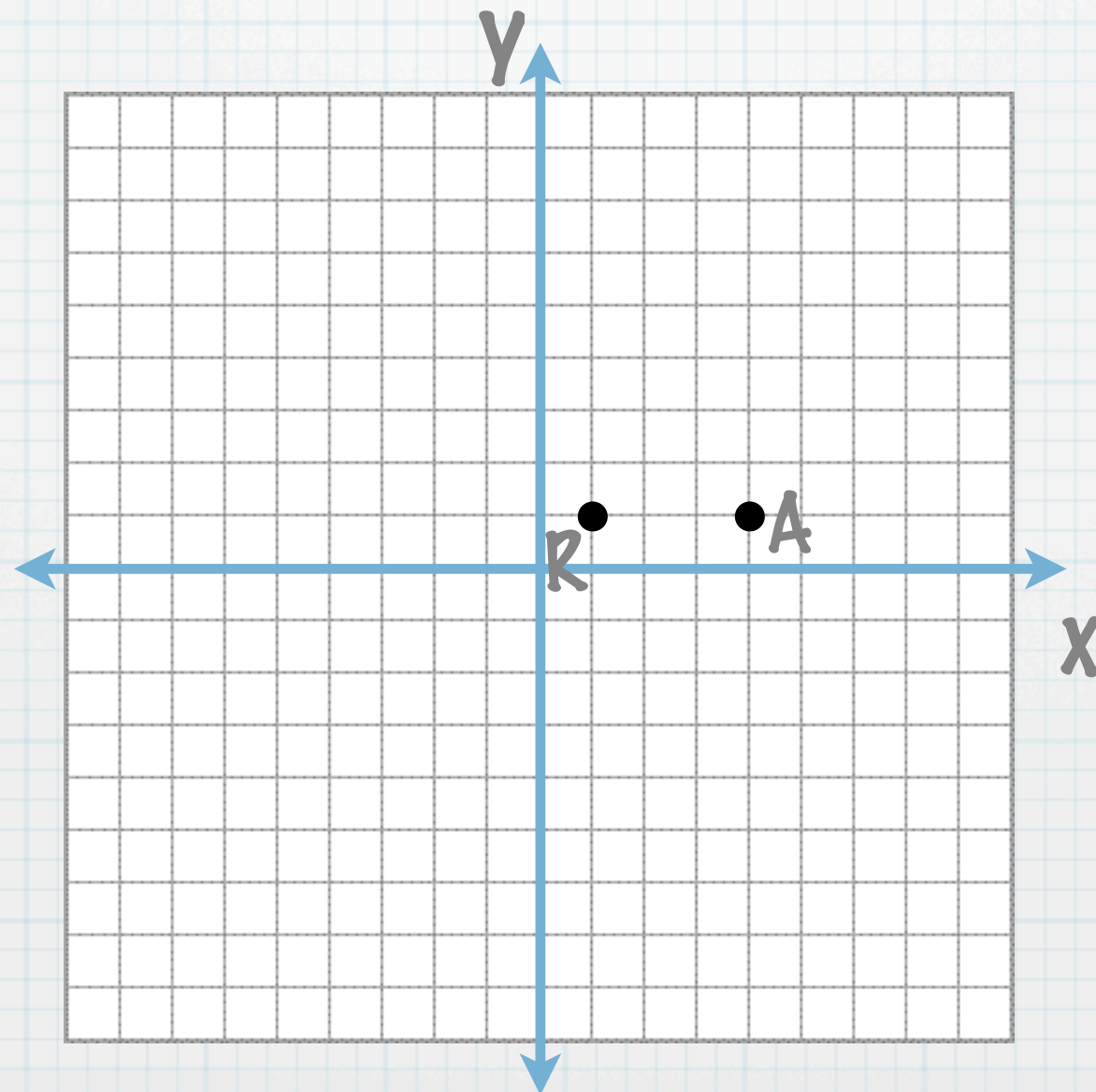
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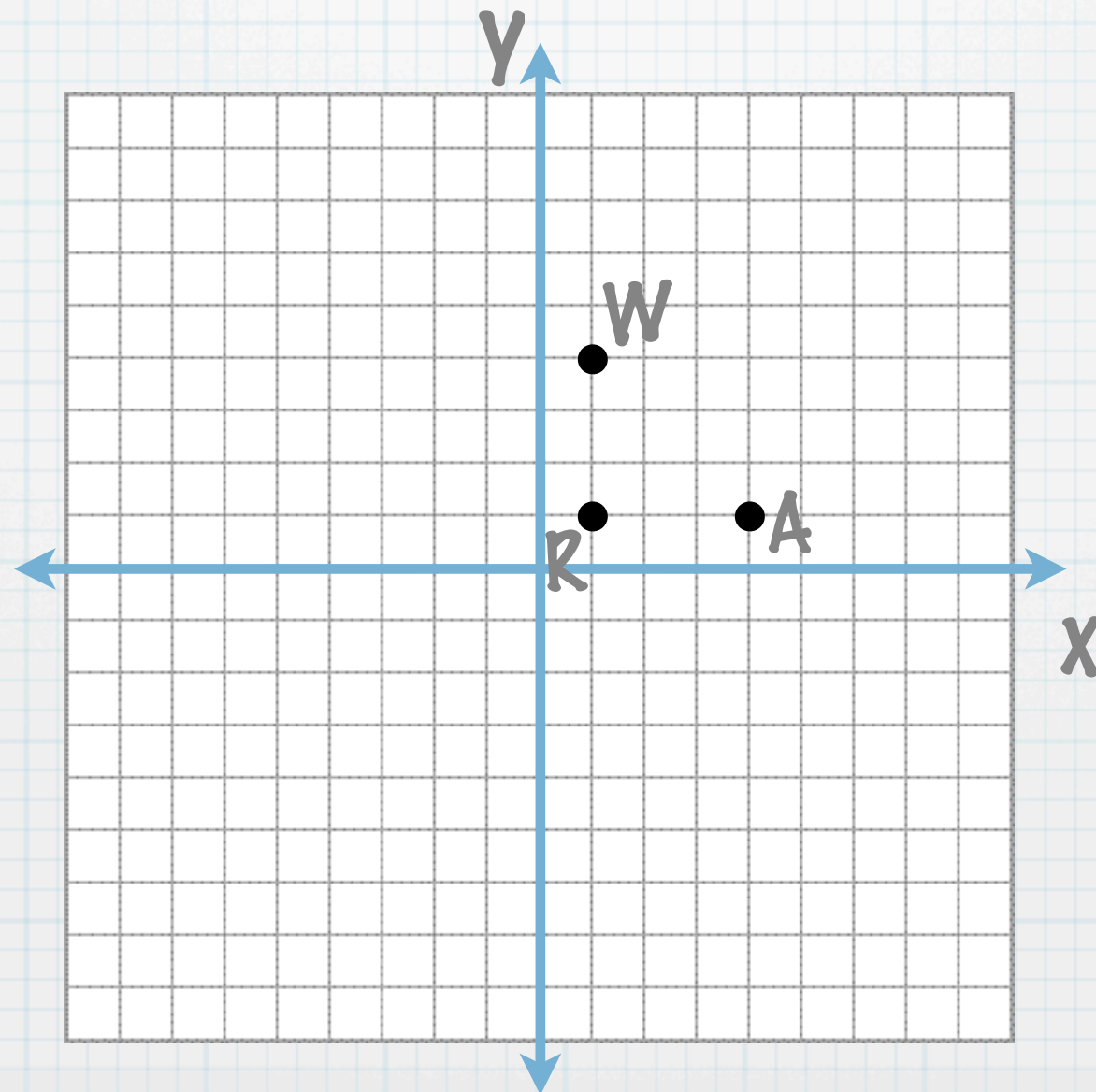
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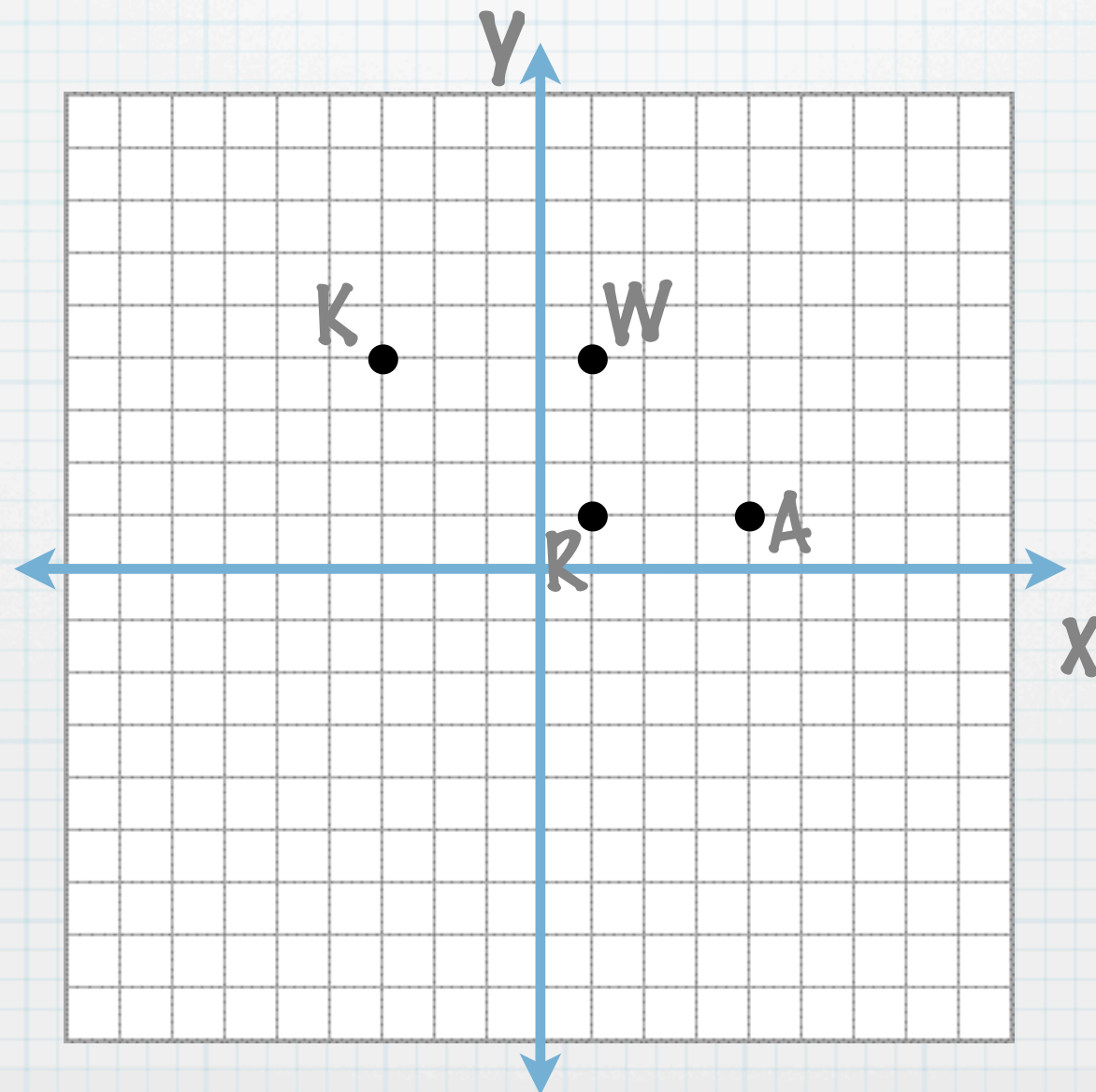
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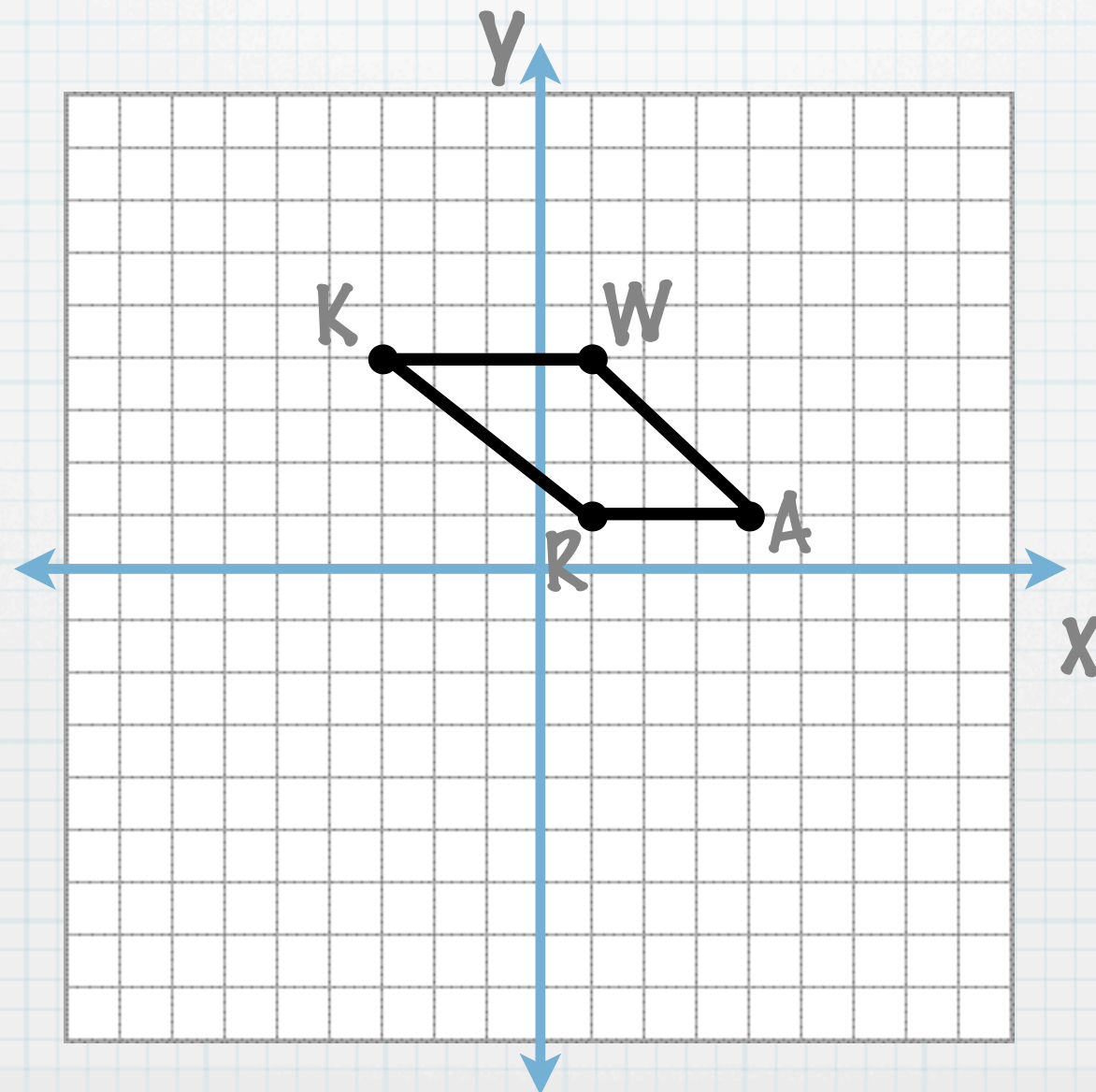
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# Problem Set

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p. P16 #1-29 odd

**“Success isn’t permanent, and failure isn’t fatal.” - Mike Ditka**